FIRMWARE UPDATING METHOD AND RE-LATED APPARATUS FOR CHECKING CONTENT OF REPLACING FIRMWARE BE-FORE FIRMWARE UPDATING

Abstract

A method and related apparatus used for updating the firmware of an electronic system. The electronic system includes a host device and a peripheral device. The device has a control circuit and a flash memory for storing a first firmware code. The control circuit executes the first firmware code to control the device according to the control commands from the host. The method includes a checking step to check if the content of the second firmware code matches a predetermined content to ensure compatibility of the second firmware code before replacing/updating the first firmware code with a second firmware code. The checking step could be performed by the host and/or by the control circuit. The checking step is performed to check if values/strings of constants defined in the second firmware code match predetermined val-ues/strings, and/or to check whether commands/information in

predetermined addresses of the second firmware code match pre-

determined commands/information.